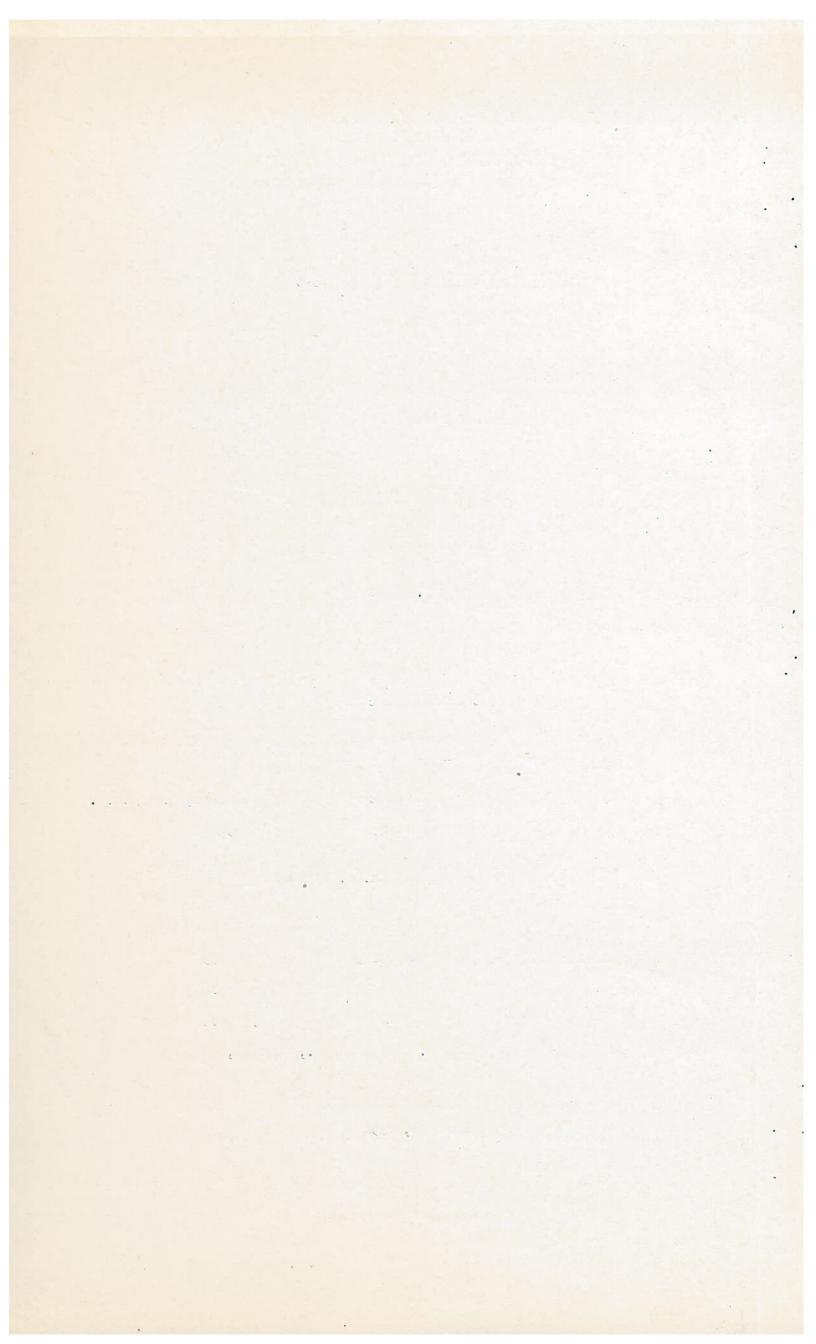
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

MINER	AL	SURVEY	NO.	4389
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	Arizona La	nd District.
FI	ELD NOTES	
Of The Surv	ey Of The Mining Cla	im Of
Sho	rey C. Guess	
	Known As The	
Kath	erine lode claim	
	Pima	Mining District,
Pima		
Section 15 Towns	hip 18 South	Range 12 East, G. & S.R.M.
Surveyed under order dated	March 30	, 1954
	by T. N. Ste	vens Mineral Surveyor.
Claim located	October 3	, 1953
Survey commenced	April 28	, 1954
Survey completed	May 1	, 1954
Address of claimant 2	L40 N. Campbell Ave.	, Tucson, Arizona
DATES	OF AMENDED LOCATIONS	
	uary 26, 1954	



This survey was made with a C.L.Berger & Son transit with horizon-tal limb 6 1/4 ins. diam. with vertical circle 5 ins. diam., having two opposite verniers; the verniers read to one minute of arc. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following

observation.

Wednesday, April 28, 1954 at Cor. No. 3 Katherine lode in latitude 31° 51°45"N. and longitude lll° 06° 34" W., I made a series of altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reverse positions, bisecting the sun and reading the horizontal angle S-W to the sun.

Mean time of observation, 105th meridian standard time -------- 3h 02m P.M.

Declination of sun at mean time of observation ----- 14° 11' 56"

Mean observed vertical angle to sun's center 48° 10° 14° Mean horizontal angle from reference point 160° 43° True bearing of reference point - - - - S. 85° 52° E.

The lines were measured with a Keuffel & Esser steel tape 300 feet in length, the first foot graduated to tenths and hundredths; and a 100 ft. Lufkin steel tape, graduated to feet, tenths and hundredths; both tapes were compared with a standard and were correct at the time of the survey.

All lines and connections of this survey were run by direct methods, the magnetic declination observed at each corner of the survey gave a uniform value of 14° E.

Feet

KATHERINE LODE

At Cor. No. 1 of the Katherine lode

Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 1 K-4389 from which the Cor. to Secs. 10, 11, 14 and 15, T. 18 S., R. 12 E., bears N. 68° 23' E., 3162.76 ft. dist.; a 1 1/2 in. open pipe in old stone monument.

No other bearing objects are available.

Thence N. 85° 52' W.

204.0 Wash 3 ft. wide, course southwesterly.

304.32 Lode line; discovery point bears S, 13° 48' W., 1462 ft. dist.

Set a mesquite post 3 ins. diam. by 3 ft. high, firmly in the ground and surrounded by a mound of stone, mkd. N.E.C.K.

340.0 Wash 3 ft. wide, course southeasterly.

608.64 | Cor. No. 2.

Set an iron post $3 \frac{1}{2}$ ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. $2 \frac{1}{2}$ K-4389.

No bearing objects are available.

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92.0 Wash, 4 ft. wide, course southeasterly. Cor. No. 3. Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 3 K-4389. U.S.M.M. No. 1, bears S. 72° 18' W., 5455.95 ft. dist. consisting of a very old stone monument, 5 ft. base by 4 ft. high with an oak post 4 x 4 ins. showing 2 ft. above top of Mon. No markings distinguishable. Thence S. 85° 52' E. 40.97 NW. Cor. Sur. No. 276 Justice lode. Center sand wash 30 ft. wide, course northeasterly. Lode line; discovery point bears N. 13° 48' E., 38 ft. dist. Set a cedar post, 4 ins. diam., 3 1/2 ft. high, firmly in the ground surrounded by a mound of stone, mkd. S.E.C.K. 340.97 N. end center Sur. No. 276 Justice lode, consisting of an old stone monument, from which U.S.M.M. No. 1 bears S. 73° 33' 30" W., 5773.82 ft dist. 446.0 Center sand wash, 30 ft. wide, course easterly. Cor. No. 4. This corner falls in center of sand wash where a permanent monument cannot be established. Thence N. 13° 48' E. 26.0 Set an iron post, 3 1/2 ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 4 K-4389 W.C. 73.0 Sand wash, 3 ft. wide, course southeasterly. Road bears easterly and westerly. 84.0 Sand wash, 7 ft. wide, course southeasterly. Cor. No. 1 and place of beginning.	Feet	
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AREA	984.0	Sand wash, 7 ft. wide, course southeasterly.
Acres	1500.0	Cor. No. 1 and place of beginning.
Acres		AREA
Total area Katherine lode 20.661		
		Total area Katherine lode 20.661

Sarvey No. 4389

Feet 92.
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LOCATION

This survey is located in the NW 1/4 Sec. 15, T. 18 S., R. 12 E., G. & S.R. Meridian.

The survey is identical with the amended location as staked on the ground.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of the location embraced in said mining claim by the claimant or his grantors are as follows:

- No. 1 The discovery shaft of the Katherine lode, the center of which is on the lode line 38 ft. from the center of line 3-4, 4 x 7 ft., 8 ft. deep.

 Value \$100.0
- No. 2 A shaft, the center of which is on the center line 127 ft. from the center of line 3-4, 6 x 8 ft. (Timbered and gallows frame).

 Value \$3600.0
- No. 3

 A shaft, the center of which bears from Cor. No. 3 Katherine lode, N. 30° 38' E., 369 ft. dist., 8 x 8 ft., 8 ft. deep.

 Value \$100.0
- No. 4 A shaft, the center of which bears from Cor. No. 3 Katherine lode, N. 26° 33' E., 422 ft. dist., 6 x 10 ft., 6 ft. deep.

 Value \$100.0

OTHER IMPROVEMENTS

A frame ore bin, the SE. corner of which bears from the witness corner to Cor. No. 4 Katherine lode, N. 55° 07° W., 265 ft. dist., 20 x 20 ft., bearing of west side N. 14° E.

OTHER CORNER DESCRIPTIONS

A diligent search was made for the north and the west 1/4 corners; the NW. corner Sec. 15, T. 18 S., R. 12 E., and no evidence of same could be found or identified.

Sur. No. 276 Justice lode, the N. end line fails to furnish the course as given in the record and the tie from the NW. corner to U.S.M.M. No. I fails to furnish the course and distance as approved and the same are properly given in these field notes.

ADJOINING CLAIMS

On the north by Shorey lode, Uns., claimant herein.

On the east by Little Gem lode, Uns., claimant herein.

On the south by Sur. No. 276 Justice lode, Fred W. Fickett, claimant.

FIELD ASSISTANTS

Name

Capacity

E.H. Jenkins

Chainman

J.J. Walden

Chainman

	MOETAGOJ		
% Sec. 15, T. 18 S., R. 12 E.	Whis survey is located in the NW L. C. & S.R. Meridian.		
ne parite at nettage formen	The survey is identical with the anthe ground.		
	EXPONITARES		
on expressed in said sining	ine amirovements and the value of the acets abon or for the benefit of the locations of the grantons		
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	A short, the center of which bears in N. 30° 38' M., 30' It. dist., 6 x 6 i	E0. 3	
	A shart, the center of which be no in A. Zór 35 E., 420 II. cist., 6 x 10 Telue salv.C	No. 4	
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h. 55° 07' w., 205 it. dist.,	A frame ore min, the U.S. morner of with corner to Ger. Ro. A ketherine lode. 20 x 20 16., bearing of west side A.		
CIPTIONS	OTHER SERVING CORNER DESCRI		
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the from the NW. corner to	Ser. No. 2/o dustice lone, the N. e course as given in the record and the b M.M. No. 1 Islis to furnish the care the east are properly given in the		
	ALDONING CLAIMS		
.ntered Jasals	On the north by Shorey lode, Uns., cl		
. Claimant derein.	on the east by little Gen lode, Uns.,		
lode, Fred W. Fickets, claiment.	On the south by Sur. No. 276 Justice		
	FIEDD ASSISTANTS		
Unpackty	N ame		
Chainsan	. h. Jenkins		
Obsingen	nebles.t.l.		

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

I, T.N. Stevens , Mineral Surveyor,
hereby certify upon honor that in pursuance of an order received from the
Office Cadastral Engineer , at Albuquerque, New Mexico ,
dated March 30, 1954 , I have faithfully and correctly executed the survey
of the mining claim of Shorey C. Guess
, known as the Katherine lode claim (lode, placer, or millsite)
, situate in
Section 15 T. 18 Sa., R12 Ea.,
G.& S. R. M. Meridian, Arizona, and designated (State)
as Survey No. 4389 , which is represented in the fore-
going field notes as having been executed by me and under my direction, and that said
survey has been made in strict comformity with said order, the Manual of Instructions
for the Survey of the Public Lands of the United States, and in the specific manner
described in the foregoing field notes, and I do further certify that the labor ex-
pended and improvements made upon or for the benefit of the lode (lode or placer) location— embraced in the said mining claim by claimant— or his grantors
are fully stated in my report therein, and that the character, extent, location, and
itemized value thereof are specified therein with particularity and full detail, and
that no portion of, or interest in, said labor and improvements so credited to this
claim has been included in the estimate of expenditures upon any other claim.
Tucson, Arizons.
(Place) (Mineral Surveyor)
May 20, 1954 (Date)

UNITED STATES OFFARTMENT OF THE INTERIOR SUREAU OF LAND MANAGEMENT

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U. S. GOVERNMENT PRINTING OFFICE 16-26618-2

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF MINING CLAIM

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT PUBLIC SURVEY OFFICE

At Phoenix, Arizona
May 24, 1955
I, Office Cadastral Engineer at Phoenix, Arizona
do hereby certify that the forgoing and hereto attached Field Notes and return of the Survey of th
Mining Claim of Shorey C. Guess
, known as the
Katherine lode
situate in mining district
Pima County Arizona
in Section 15 , Township No. 18 South , Range No. 12 East
G. & S.R.M., designated as Survey No. 4389
executed by
Surveyer, April 28 to May 1, , under my instructions dated
March 30 , have been critically examined and the necessary
corrections and explanations made, and the said Field Notes and Return, and the Survey they describe
are hereby approved. The certified copy of the location certificate filed by the applicant for survey is
included and made a part of these field notes.
Everett H. Kimmell Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOMES AND SURVEY OF MINING CLAIM

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